

OMB No. 0651-0011

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Atty. Docket No. P-12552		Serial No. 08/480,908				
Applicant Gary K. Michelson, M.D.						
Filing Date June 7, 1995		Group 3301				
U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
MB	2,372,622	3/27/45	Fassio			
	2,677,369	5/4/54	Knowles			
	3,605,123	9/20/71	Hahn			
	3,867,728	2/25/75	Stubstad et al.			
	3,875,595	4/8/75	Froning			
	3,905,047	9/16/75	Long			
	3,952,334	4/27/76	Bokros et al.			
	3,987,499	10/26/76	Scharbach et al.			
	4,070,514	1/24/78	Entherly et al.			
	4,168,326	9/18/79	Broemer et al.			
	4,309,777	1/12/82	Patil			
	4,349,921	9/21/82	Kuntz			
	4,401,112	8/30/83	Rezaian			
	4,405,319	9/20/83	Cosentino			
	4,439,152	3/27/84	Small			
	4,501,269	2/26/85	Bagby			

mf	4,535,485	8/20/85	Ashman et al.			
	4,542,539	9/24/85	Rowe, Jr. et al.			
	4,547,390	10/15/85	Ashman et al.			
	4,553,273	11/19/85	Wu			
	4,554,914	11/26/85	Kapp et al.			
	4,604,995	8/12/86	Stephens			
	4,608,052	8/26/86	Van Kampen et al.			
	4,634,720	1/6/87	Dorman et al.			
	4,636,217	1/13/87	Ogilvie et al.			
	4,636,526	1/13/87	Dorman et al.			
	4,645,503	2/24/87	Lin et al.			
	4,655,777	4/7/87	Dunn			
	4,661,536	4/28/87	Dorman et al.			
	4,693,721	9/15/87	Ducheyne			
↓	4,698,375	10/6/87	Dorman et al.			

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Sub Class	Translation Yes or No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner	<i>W</i>	Date Considered	12-20-85
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

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INFORMATION DISCLOSURE CITATION
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Atty. Docket No. P-12552				Serial No. 08/408,908			
Applicant Gary K. Michelson, M.D.							
Filing Date June 7, 1995				Group 3301			
U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
MB		Re. 31,865	4/16/85	Roux			
		Des. 245,259	8/2/77	Shen			
		Des. 257,511	11/11/80	Zahn			
		350,420	10/5/1886	Dillon			
		1,137,585	4/27/15	Craig			
		2,065,659	12/29/36	Cullen			
		2,181,746	11/28/39	Siebrandt			
		2,243,718	5/27/41	De G. Moreira			
		2,514,665	7/11/50	Myller			
		2,537,070	1/9/51	Longfellow			
		2,543,780	3/6/51	Hipps et al.			
		2,774,350	12/18/56	Cleveland			
		2,789,558	4/23/57	Rush			
		2,832,343	4/29/58	Mose			
		2,842,131	7/8/58	Smith			

MB		3,128,768	4/14/64	Geistauts			
		3,298,372	1/17/67	Feinberg			
		3,426,364	2/11/69	Lumb			
		3,486,505	12/30/69	Morrison			
		3,604,487	9/14/71	Gilbert			
		3,709,219	1/9/73	Halloran			
		3,720,959	3/20/73	Hahn			
		3,750,652	8/7/73	Sherwin			
		3,848,601	11/19/74	Ma et al.			
		3,855,638	12/24/74	Pilliar			
		3,892,232	7/1/75	Neufeld			
		3,915,151	10/28/75	Kraus			
		3,948,262	4/6/76	Zaffaroni			
		4,016,651	4/12/77	Kawahara et al.			
		4,051,905	10/4/77	Kleine			
		4,059,115	11/22/77	Jumashev et al.			
		4,086,701	5/2/78	Kawahara et al.			
		4,124,026	11/7/78	Berner et al.			
		4,142,517	3/6/79	Stravropoulos et al.			
✓		4,175,555	11/27/79	Herbert			

MB		4,177,524	12/11/79	Grell et al.			
		4,181,457	1/1/80	Holmes			
		4,206,516	6/10/80	Pilliar			
		4,222,128	9/16/80	Tomonaga et al.			
		4,237,948	12/9/80	Jones et al.			
		4,259,072	3/31/81	Hirabayashi et al.			
		4,262,369	4/21/81	Roux			
		4,271,832	6/9/81	Evans et al.			
		4,289,123	9/15/81	Dunn			
		4,293,962	10/13/81	Fuson			
		4,328,593	5/11/82	Sutter et al.			
		4,333,469	6/8/82	Jeffcoat et al.			
		4,341,206	7/27/82	Perrett et al.			
		4,356,572	11/2/82	Guillemin et al.			
		4,423,721	1/3/84	Otte et al.			
		4,450,834	5/29/84	Fischer			
		4,484,570	11/27/84	Sutter et al.			
		4,492,226	1/8/85	Belykh et al.			
		4,507,115	3/26/85	Kambara et al.			
		4,530,360	7/23/85	Duarte			

MB		4,545,374	10/8/85	Jacobson			
		4,552,200	11/12/85	Sinha et al.			
		4,570,623	2/18/86	Ellison et al.			
		4,570,624	2/18/86	Wu			
		4,599,086	7/8/86	Doty			
		4,600,000	7/15/86	Edwards			
		4,611,581	9/16/86	Steffee			
		4,628,921	12/16/86	Rousso			
		4,653,486	3/31/87	Coker			
		4,665,920	5/19/87	Campbell			
		4,677,883	7/7/87	Lee			
		4,677,972	7/7/87	Tornier			
		4,696,290	9/29/87	Steffee			
		4,710,075	12/1/87	Davison			
		4,713,004	12/15/87	Linkow et al.			
		4,714,469	12/22/87	Kenna			
		4,721,103	1/26/88	Freedland			
		4,736,738	4/12/88	Lipovsek et al.			
		4,743,256	5/10/88	Brantigan			
		4,743,260	5/10/88	Burton			

MB	4,759,766	7/26/88	Buettner-Janz et al.			
	4,759,769	7/26/88	Hedman et al.			
	4,790,303	12/13/88	Steffee			
	4,820,305	4/11/89	Harms et al.			
	4,830,000	5/16/89	Shutt			
	4,834,757	5/30/89	Brantigan			
	4,848,327	7/18/89	Perdue			
	4,851,008	7/25/89	Johnson			
	4,863,477	9/5/89	Monson			
	4,865,603	9/12/89	Noiles			
	4,877,020	10/31/89	Vich			
	4,878,915	11/7/89	Brantigan			
	4,903,882	2/27/90	Long			
	4,911,718	3/27/90	Lee et al.			
	4,913,144	4/3/90	Del Medico			
	4,943,291	7/24/90	Tanguy			
	4,955,908	9/11/90	Frey et al.			
	4,957,495	9/18/90	Kluger			
	5,084,050	1/28/92	Draenert			
V	5,122,130	6/16/92	Keller			

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<i>MB</i>	Document Number	Date	Country	Class	Sub Class	Translation Yes or No	
	106 101	7/21/39	Sweden				
	0 179 695	4/30/86	France				
	0 260 044	3/16/88	Europe				
	1961531	7/9/70	Germany				
	2 581 336	11/7/86	France				
	DE 3101333 A1	12/24/81	Germany				
	DE 3132520 A1	6/16/82	Germany				
✓	DE 3505567 A1	6/5/86	Germany				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
Examiner <i>MB</i>			Date Considered <i>12-2-05</i>				
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							
Form PTO 1449				Patent and Trademark Office - U.S. Department of Commerce			

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Applicant Gary K. Michelson, M.D.							
Filing Date June 7, 1995		Group 3301					
U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
MB		Re. 34,871	3/7/95	McGuire et al.			
		4,904,260	2/27/90	Ray et al.			
		4,904,261	2/27/90	Dove et al.			
		4,936,848	6/26/90	Babgy			
		4,955,885	9/11/90	Meyers			
		4,960,420	10/2/90	Goble et al.			
		4,961,740	10/9/90	Ray et al.			
		4,968,316	11/6/90	Hergenroeder			
		4,969,888	11/13/90	Scholten et al.			
		4,987,904	1/29/91	Wilson			
		5,015,247	5/14/91	Michelson			
		5,015,255	5/14/91	Kuslich			
		5,026,373	6/25/91	Ray et al.			
		5,055,104	10/8/91	Ray			
		5,059,193	10/22/91	Kuslich			

mb		5,071,437	12/10/91	Steffee			
		5,102,414	4/7/92	Kirsch			
		5,116,304	5/26/92	Cadwell			
		5,123,926	6/23/92	Pisharodi			
		5,192,327	3/9/93	Brantigan			
		5,258,031	11/2/93	Salib et al.			
		5,263,953	11/23/93	Bagby			
		5,306,309	4/26/94	Wagner et al.			
		5,364,399	11/15/94	Lowery et al.			
		5,370,662	12/6/94	Stone et al.			
		5,393,036	2/28/95	Sheridan			
		5,396,880	3/14/95	Kagan et al.			
		5,397,364	3/14/95	Kozak et al.			
		5,425,772	6/20/95	Brantigan			
		5,435,723	7/25/95	O'Brien			
		5,489,307	2/6/96	Kuslich et al.			
		5,489,308	2/6/96	Kuslich et al.			
		5,571,109	11/5/96	Bertagnoli			

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub Class	Translation Yes or No
MB		0 307 241	3/15/89	Europe			Yes
↓		0 599 419 A2	6/1/94	Europe			Yes
Examiner <i>MB</i>				Date Considered <i>12-20-95</i>			
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>							
Form PTO 1449				Patent and Trademark Office - U.S. Department of Commerce			

Substitute for FORM PTO-1449		Attorney Docket Number 101.0053-00000		Customer No. 22882		
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block; text-align: center;"> INFORMATION DISCLOSURE CITATION IN AN APPLICATION <small>(Use several sheets if necessary)</small> Sheet <u>1</u> of <u>1</u> </div>		Applicant Gary K. Michelson		Application Number 08/480,908		
		Filing Date June 7, 1995		Group Art Unit 3764	Examiner M. Brown	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION (YES/NO)
MB	29 10 627	9/1980	Germany			Yes
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
EXAMINER			DATE CONSIDERED			
			12-20-05			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

Substitute for FORM PTO-1449		Attorney Docket Number 101.0053-00000	Customer No. 22882
 INFORMATION DISCLOSURE CITATION IN AN APPLICATION		Applicant Gary K. Michelson	Application Number 08/480,908
(Use several sheets if necessary) Sheet <u>1</u> of <u>3</u>		Filing Date June 7, 1995	Group Art Unit 3764 Examiner M. Brown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Lit. 3b MB	3,719,186	03/1973	Merig, Jr.			
Lit. 3c	4,349,921	09/1982	Kuntz			
Lit. 3b/3c	4,570,624	02/1986	Wu			
Lit. 3c	4,714,469	12/1987	Kenna			
	4,759,766	07/1988	Buettner-Janz et al.			
	4,877,020	10/1989	Vich			
Lit. 3c	5,026,373	06/1991	Ray et al.			
Lit. 3a/3c	5,055,104	10/1991	Ray			
	5,279,292	01/1994	Baumann et al.			
Lit. 3a/3c	5,489,307	02/1996	Kuslich et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION (YES/NO)
Lit. 3a/3b/3c	0 077 159	04/1983	Europe			N/A
✓	0 162 005	11/1985	Europe			Yes
✓	0 179 695	04/1986	Europe			Abstract and Partial
✓	0599419 A2	06/1994	Europe			Abstract Only
	2 295 729	07/1976	France			UK Equivalent GB 1531487
✓	2 581 336	11/1986	France			Abstract Only
✓	2 703 580	10/1994	France			Yes
	1961531	07/1970	Germany			UK Equivalent GB 1291470
	24 46 039	04/1975	Germany			UK Equivalent GB 1492990
✓	3101333 A1	12/24/81	Germany			Abstract Only
✓	3132520 A1	06/1982	Germany			Abstract Only
✓	3505567 A1	06/1986	Germany			Abstract Only
✓	36 08 163 A1	09/1987	Germany			Abstract Only
✓	41 04 359 A1	08/1992	Germany			US Equivalent 5,279,292

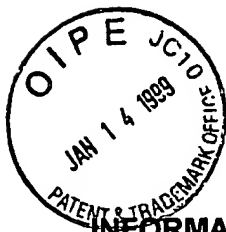
43 02 397 A1	07/29/93	Germany	Abstract Only
1291470	10/1972	Great Britain	N/A
1492990	11/1977	Great Britain	N/A
1531487	11/1978	Great Britain	N/A
57-29348	02/1982	Japan	US Equivalent 4,349,921
60-31706	02/1985	Japan	Yes
60-43984	03/1985	Japan	Yes
61-122859	06/1986	Japan	US Equivalent 4,759,766
62-155846	07/1987	Japan	Yes
1107854	08/1984	Soviet Union	Yes
1124960	11/1984	Soviet Union	Abstract Only
1217374	03/1986	Soviet Union	Abstract Only
1222254	04/1986	Soviet Union	Abstract Only
283078	05/1985	Spain	US Equivalent 4,877,020
106 101	07/1939	Sweden	Partial and English Language Search Report

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Lit. 3a/3c	Cloward, Ralph B.; Surgical Techniques for Lumbar Disc Lesions; Codman; Signature Serial 3.
Lit. 3c	Cloward, Ralph B.; Ruptured Cervical Intervertebral Discs: Removal of Disc & Osteophytes & Anterior Cervical Interbody Fusion (A.C.I.F.); Codman; Signature Series 4.
Lit. 3	Cloward, Ralph B.; Recent Advances in Surgery of the Cervical Spine; pp. 285-293; German Society For Neurosurgery: Volume 2 Cervical Spine Operations; Excerpta Medica.
Lit. 3a/3b	Otero-Vich, Jose M.; Anterior Cervical Interbody Fusion with Threaded Cylindrical Bone; pp. 750-753; Journal of Neurosurgery, November 1985, Volume 63, No. 5.
Lit. 3c	Hutter, Charles George; Spinal Stenosis and Posterior Lumbar Interbody Fusion; pp. 103-114; Clinical Orthopaedics and Related Research; No. 193; The Association of Bone and Joint Surgeons.
Lit. 3c	Lin, Paul M.; Posterior Lumbar Interbody Fusion; pp. 114-122; Charles C. Thomas; Springfield, Illinois.
Lit. 3c	Lin, Paul M.; Lumbar Interbody Fusion: Principles and Techniques in Spine Surgery; Techniques and Complications; pp. 81, 98, 120, 146, 173, 180-184, 204, 224, 225, 231; Aspen Publishers, Inc.; 1989.
Lit. 3c	Tan, S.B.; A Modified Technique of Anterior Lumbar Fusion with Femoral Cortical Allograft; pp. 83-93; The Journal of Orthopaedic Surgical Techniques, Volume 5, No. 3, 1990.
Lit. 3a/3b	Muller, M.E.; Manual of Internal Fixation: Techniques Recommended by the AO Group; Second Edition, Expanded and Revised; pp. 3-20, 27-41, 53-58, 71-78, 94, 311, 320; Springer-Verlag; 1979.
Lit. 3a/3b	Hierholzer, G.; Manual on the AO/ASIF Tubular External Fixator; pp. 85-91; Springer-Verlag; 1985.
Lit. 3a/3b	Heim, Urs; Small Fragment Set Manual: Technique Recommended by the ASIF-Group; pp. 5-7, 10, 20, 21, 30; Springer-Verlag; 1974.
Lit. 3c	Hammon, Paul H.; Anterior Excision and Vertebral Body Fusion Operation for Intervertebral Disk Syndromes of the Lower Lumbar Spine: Three- to Five-Year Results in 244 Cases; pp. 107-127; Clinical Orthopaedics and Related Research, No. 26, J.B. Lippincott Company, 1963.

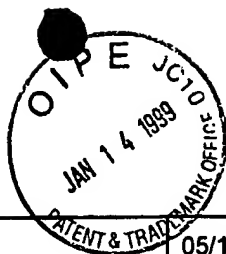
Lit. 3c MB	Harmon, Paul H.; A Simplified Surgical Technic for Anterior Lumbar Discectomy and Fusion; Avoidance of Complications; Anatomy of the Retroperitoneal Veins; pp. 130-143; Clinical Orthopaedics and Related Research, No. 37, J.B. Lippincott Company, 1964.
Lit. 3b	Bullough, Peter G.; Atlas of Spinal Diseases; Figure 5.7; J.B. Lippencott Company; 1988
Lit. 3a	Butts, M.K.; Biomechanical Analysis of a New Method for Spinal Interbody Fixation; 1987 Symposium, American Society of Mechanical Engineers, "Advance in Bioengineering", Boston, MA (December 13-18, 1987).
Lit. 3	Canale, S. Terry; Campbell's Operative Orthopaedics; Volume 3, 9 th Edition; pp. 2191, 2216, 2459; Mosby, 1998.
EXAMINER MB	DATE CONSIDERED 12-20-05
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	



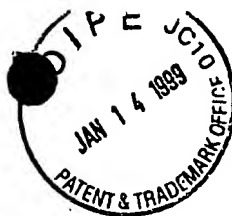


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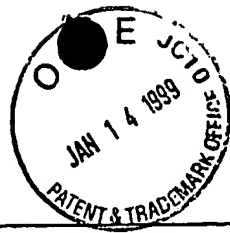
Atty. Docket No. 06148.0019-00				Serial No.: 08/480,908			
Applicant Gary K. MICHELSON, M.D.							
Filing Date June 7, 1995				Group: 3733			
U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
MB		2,878,809	03/24/59	Treace			
		3,618,611	11/09/71	Urban			
		3,867,950	02/25/75	Fischell			
		3,888,260	06/10/75	Fischell			
		3,916,907	11/04/75	Peterson			
		3,918,440	11/11/75	Kraus			
		3,942,535	03/09/76	Schulman			
		4,027,392	06/07/77	Sawyer et al.			
		4,082,097	04/04/78	Mann et al.			
		4,197,850	04/15/80	Schulman et al.			
		4,232,679	11/11/80	Schulman			
		Des. 260,525	09/01/81	Lassiter			
		Des. 281,814	12/17/85	Pratt et al.			
		4,232,679 B1	05/31/88	Schulman			
		4,258,716	03/31/81	Sutherland			
		4,414,979	11/15/83	Hirshorn et al.			
		4,497,320	02/05/85	Nicholson et al.			
		4,535,374	08/13/85	Anderson et al.			
	4,549,547	10/29/85	Brighton et al.				
	4,592,346	06/03/86	Jurgutis				
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	4,619,264	10/28/86	Singh				



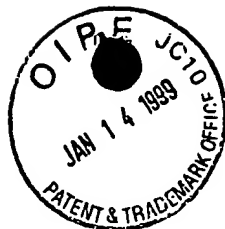
MB	4,664,567	05/12/87	Edwards			
	4,769,881	09/13/88	Pedigo et al.			
	4,781,591	11/01/88	Allen			
	4,805,602	02/21/89	Puno et al.			
Lit. 2	4,863,476	09/05/89	Shepperd			
	5,030,236	07/09/91	Dean			
	5,062,845	11/05/91	Kuslich et al.			
	5,108,422	04/28/92	Green et al.			
	5,112,336	05/12/92	Krevolin et al.			
	5,171,278	12/15/92	Pisharodi			
	5,246,458	09/21/93	Graham			
	5,292,252	03/08/94	Nickerson et al.			
	5,314,427	05/24/94	Goble et al.			
	5,324,295	06/28/94	Shapiro			
	5,352,229	10/04/94	Goble et al.			
	5,360,430	11/01/94	Lin			
	5,370,697	12/06/94	Baumgartner			
	5,443,514	08/22/95	Steffee			
	5,458,638	10/17/95	Kuslich et al.			
	5,683,463	11/04/97	Godefroy et al.			
	5,766,252	06/16/98	Henry et al.			
	D397,439	08/25/98	Koros et al.			
FOREIGN PATENT DOCUMENTS						
	Document Number	Date	Country	Class	Sub Class	Translation Yes or No
	2 295 729	07/23/76	France			No
	24 46 039	04/03/75	Germany			No
	GB 2076657 A	12/09/81	Great Britain			
	GB 2082754 A	03/10/82	Great Britain			
	57-29348	02/17/82	Japan			
	GB 2126094 A	03/21/84	Great Britain			



Lit. 2	MB	GB 2164277 A	03/19/86	Great Britian			
		0 077 159	04/20/83	EPO			
		1124960	11/23/84	Soviet Union			
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OMB No. 0651-0011
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INFORMATION DISCLOSURE CITATION
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Atty. Docket No. 8810-D7964		Serial No. 08/480,908		RECEIVED NOV 01 1999			
Applicant Gary K. Michelson		Group 3700					
Filing Date June 7, 1995		Group: 3764					
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Attorney Docket No. 6148.0019	Serial No. 08/480,908
Applicant Gary K. MICHELSON	
Filing Date June 7, 1995	Group 3733

U.S. PATENT DOCUMENTS JUN 30 1999

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
MB	5,906,616	5/25/99	Pavlov et al.			

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Applicant Gary K. MICHELSON	
Filing Date June 7, 1995	Group 3733

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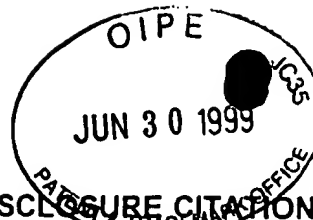
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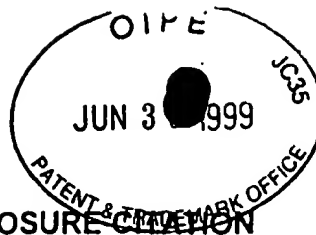


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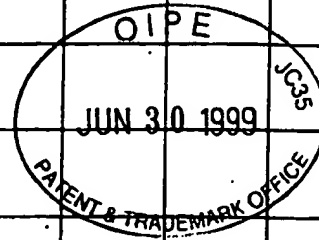
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Applicant Gary K. Michelson, M.D.							
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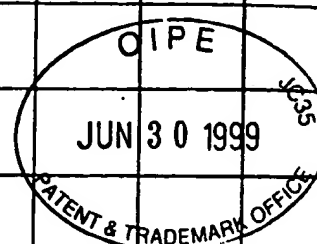


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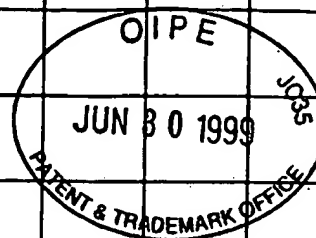


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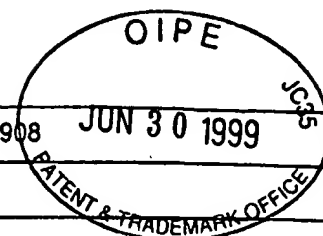
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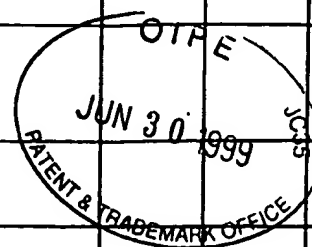
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Applicant Gary K. Michelson, M.D.						
Filing Date June 7, 1995		Group 3301				
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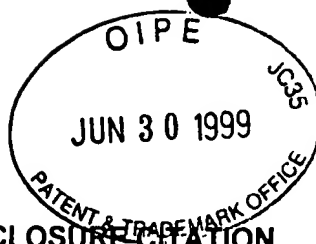
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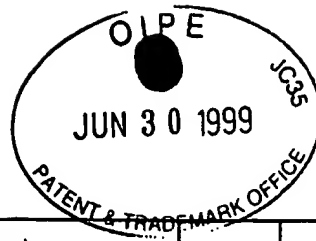
INFORMATION DISCLOSURE CITATION

Atty. Docket No. 06148.0019-00		Serial No.: 08/480,908				
Applicant Gary K. MICHELSON, M.D.						
Filing Date June 7, 1995		Group: 3733				
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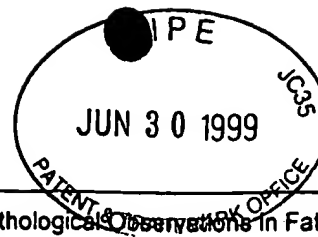
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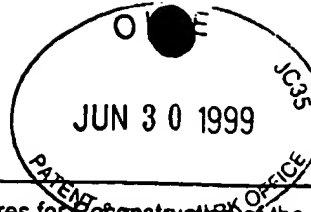
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